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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER RICE-1005US
		U.S. APPLICATION NO (if known, see 37 CFR 1.5) 10/596,122
INTERNATIONAL APPLICATION NO. PCT/AU2004/001071	INTERNATIONAL FILING DATE 11 AUGUST 2004	PRIORITY DATE CLAIMED 1 DECEMBER 2003
TITLE OF INVENTION METHOD AND APPARATUS FOR PRODUCING ADAPTIVE DIRECTIONAL SIGNALS		
APPLICANT(S) FOR DO/EO/US BRENTON STEELE		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<div style="display: flex; flex-direction: column;"><div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">1.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</div></div></div><div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">2.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; position: relative;"><div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background: linear-gradient(to top right, transparent 48%, black 48% 49%, black 49% 49%, black 49% 52%, transparent 52%);"></div></div><div>This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</div></div></div></div><div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">3.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include (5), (6), (9) and (21) indicated below</div></div></div><div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">4.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>The US has been elected (Article 31)</div></div></div><div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">5.</div><div style="display: flex; align-items: flex-start;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">A copy of the International Application as filed (35 U.S.C. 371(c)(2))</div><div style="margin-left: 10px;"><div style="display: flex; flex-direction: column; margin-top: 5px;"><div style="display: flex; align-items: center; margin-bottom: 5px;"><div style="width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">a</div><div style="margin-left: 5px;">is attached hereto (required only if not communicated by the International Bureau).</div></div><div style="display: flex; align-items: center; margin-bottom: 5px;"><div style="width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">b</div><div style="margin-left: 5px;">has been communicated by the International Bureau.</div></div><div style="display: flex; align-items: center;"><div style="width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">c</div><div style="margin-left: 5px;">is not required, as the application was filed in the United States Receiving Office (RO/US).</div></div></div></div></div></div><div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">6.</div><div style="display: flex; align-items: flex-start;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</div><div style="margin-left: 10px;"><div style="display: flex; flex-direction: column; margin-top: 5px;"><div style="display: flex; align-items: center; margin-bottom: 5px;"><div style="width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">a</div><div style="margin-left: 5px;">is attached hereto.</div></div><div style="display: flex; align-items: center;"><div style="width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">b</div><div style="margin-left: 5px;">has been previously submitted under 35 U.S.C. 154(d)(4).</div></div></div></div></div></div><div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">7.</div><div style="display: flex; align-items: flex-start;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)).</div><div style="margin-left: 10px;"><div style="display: flex; flex-direction: column; margin-top: 5px;"><div style="display: flex; align-items: center; margin-bottom: 5px;"><div style="width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">a</div><div style="margin-left: 5px;">are attached hereto (required only if not communicated by the International Bureau).</div></div><div style="display: flex; align-items: center; margin-bottom: 5px;"><div style="width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">b</div><div style="margin-left: 5px;">have been communicated by the International Bureau.</div></div><div style="display: flex; align-items: center; margin-bottom: 5px;"><div style="width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">c</div><div style="margin-left: 5px;">have not been made; however, the time limit for making such amendments has NOT expired.</div></div><div style="display: flex; align-items: center;"><div style="width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div style="margin-left: 5px;">d</div><div style="margin-left: 5px;">have not been made and will not be made.</div></div></div></div></div></div><div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">8.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</div></div></div><div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">9.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</div></div></div><div><div style="display: flex; align-items: flex-start; margin-bottom: 5px;"><div style="width: 20px; text-align: center; margin-right: 5px;">10.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</div></div></div></div></div><div style="margin-top: 10px;"><div style="display: flex; align-items: center;"><div style="width: 20px; text-align: center; margin-right: 5px;">11.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; position: relative;"><div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background: linear-gradient(to top right, transparent 48%, black 48% 49%, black 49% 49%, black 49% 52%, transparent 52%);"></div></div><div>An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</div></div></div><div style="margin-bottom: 5px;"><div style="display: flex; align-items: center;"><div style="width: 20px; text-align: center; margin-right: 5px;">12.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</div></div></div><div style="margin-bottom: 5px;"><div style="display: flex; align-items: center;"><div style="width: 20px; text-align: center; margin-right: 5px;">13.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>A preliminary amendment.</div></div></div><div style="margin-bottom: 5px;"><div style="display: flex; align-items: center;"><div style="width: 20px; text-align: center; margin-right: 5px;">14.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>An Application Data Sheet under 37 CFR 1.76.</div></div></div><div style="margin-bottom: 5px;"><div style="display: flex; align-items: center;"><div style="width: 20px; text-align: center; margin-right: 5px;">15.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>A substitute specification.</div></div></div><div style="margin-bottom: 5px;"><div style="display: flex; align-items: center;"><div style="width: 20px; text-align: center; margin-right: 5px;">16.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>A power of attorney and/or change of address letter</div></div></div><div style="margin-bottom: 5px;"><div style="display: flex; align-items: center;"><div style="width: 20px; text-align: center; margin-right: 5px;">17.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</div></div></div><div style="margin-bottom: 5px;"><div style="display: flex; align-items: center;"><div style="width: 20px; text-align: center; margin-right: 5px;">18.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>A second copy of the published International Application under 35 U.S.C. 154(d)(4).</div></div></div><div style="margin-bottom: 5px;"><div style="display: flex; align-items: center;"><div style="width: 20px; text-align: center; margin-right: 5px;">19.</div><div style="display: flex; align-items: center;"><div style="width: 20px; height: 15px; border: 1px solid black; margin-right: 5px;"></div><div>A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</div></div></div></div></div></div></div><div data-bbox="85 2647 2052 2770" data-label="Page-Footer"><p>This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S.</p></div></div></div></div></div></div></div></div></div></div></div></div></div></div>		

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U S APPLICATION NO. (if known, see 37 CFR 1.5) 10/596,122		INTERNATIONAL APPLICATION NO. PCT/AU2004/001071		ATTORNEY'S DOCKET NUMBER RICE-1005US	
20. Other items or information:					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input type="checkbox"/> Basic national fee (37 CFR 1.492(a))\$300				\$	
22. <input type="checkbox"/> Examination fee (37 CFR 1.492(c))				\$	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(I)-(4)\$0					
All other situations\$200					
23 <input type="checkbox"/> Search fee (37 CFR 1.492(b))				\$	
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(I)-(4)\$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority\$100					
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB\$400					
All other situations\$500					
TOTAL OF 21, 22 and 23 =				\$ 0	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h))				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	-20=	12	x \$50	\$	
Independent claims	-3=	0	x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 0	
<input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27 Fees above are reduced by 1/2.					
SUBTOTAL=				\$ 0	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				+	\$
TOTAL NATIONAL FEE				\$ 0	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31), \$40.00 per property				+	\$
TOTAL FEES ENCLOSED -				\$ 0	
				Amount to be refunded:	\$
				Amount to be charged	\$

- a ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b ☐ Please charge my Deposit Account No _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c ☒ The Commissioner is hereby authorized to charge any additional fees, which may be required, or credit any overpayment to
Account No 50-0462 A duplicate copy of this sheet is enclosed.
- d ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not
be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed
and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

CUSTOMER NO. 21302
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/KEVIN J. DUNLEAVY/

SIGNATURE

KEVIN J. DUNLEAVY

NAME

32,024

REGISTRATION NUMBER